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COASTAL AREA ATARI USERS' GROUP

an independent computer users' group

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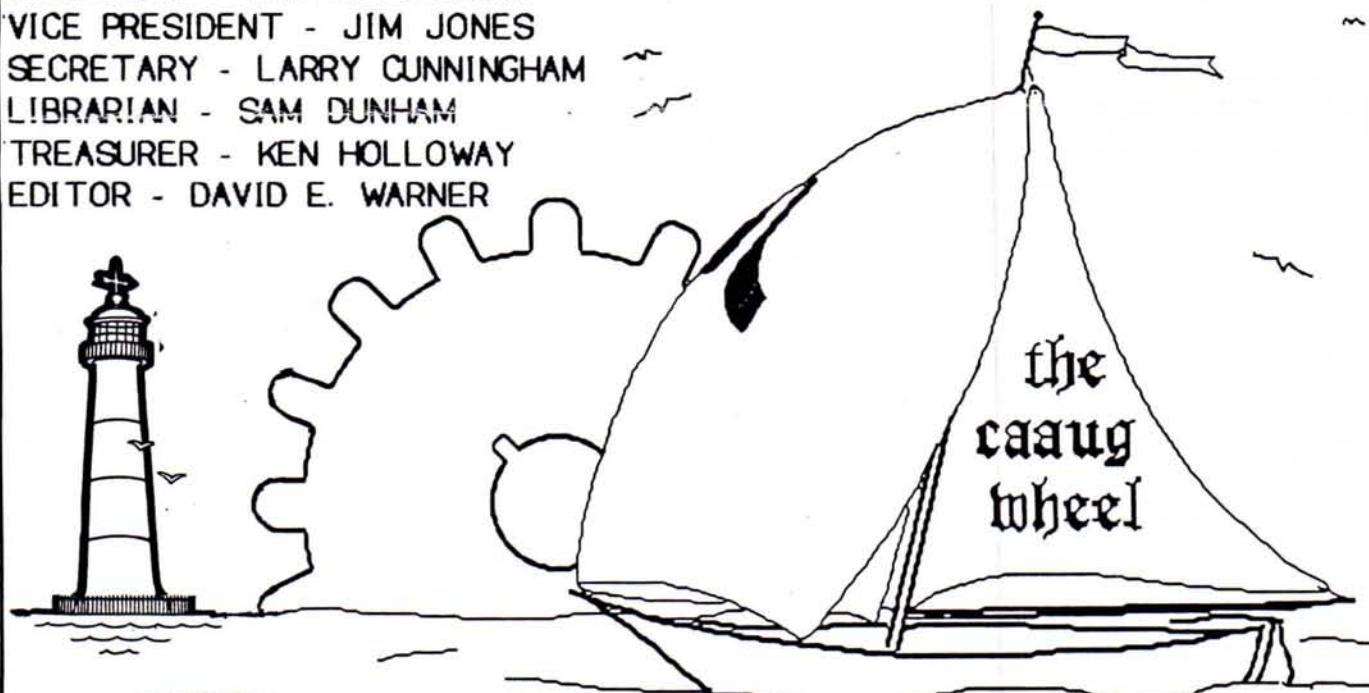
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Hardware Tips
Erratic Editorials

Librarians Corner
Software Reviews
Current News

Erratic Editorial

by David E. Warner



Well, time for another exciting column in the Erratic Editorial department. First, you may have noticed that it has been awhile since you received your last newsletter. Well, we decided to catch up on the issues and get back on time. If you look at the cover, this will be the October - November issue. Hopefully, I will be able to keep up with the slow bulk rate mailing and all from now on. Of course a little help on the newsletter would be appreciated. How about some volunteer(s) to take the finished newsletters from the printers and put them together for mailing? This would consist of attaching labels, folding, stapling and sorting for delivery to the post office in downtown Biloxi. Any volunteers? If so, give me a call.

State of The Coastal Area BBS...

Well, things are real healthy on the BBS front these days. Back to 24 hour operation, seven days a week now that everyone is spending more time inside the house. Plenty of uploading and downloading going on, along with interesting message traffic. Remember...if you have a modem, you can get an electronic copy of the newsletter within hours of it being finished. I don't mean at the printers either. As soon as I print out the final copy, I put a copy of the newsletter online. This means that you could read it two weeks before you get it at your house. Check it out next time.

The real story on the BBS is the Space Empire game. This is an online, interactive, multi-player space adventure. You enter a character name and begin building your own empire. Obtaining planets, fighters, an army and all that other boring stuff; feeding your people, fighting crime etc. Then there is the chance that you might be attacked. Heck, there's the evil Satharian race to worry about, or worse, the other players in the game. An evil lot they are! Especially Luke, Tough Guy, Toto, Vader, and a few others. Those guys are always battling it out. If you were at the October meeting, you would have seen all kinds of childish manifestations! Really gentlemen, it's only a game, isn't it?

Hopefully, by the time you read this in the newsletter, I will be running version 2.0 of the FoReM BBS program. This allows a great many more things (bells and whistles), but one of the most interesting to all may be the national mail capability. It will forward mail messages through a net that's being established even as we speak. I will have a list of the "nodes" as they are called (other participating bbs's) and you would be able to forward message traffic to them. Could be an interesting way to get answers to your questions from anywhere in the country! Of course I see some limitations to the service. First, it may take a few days for your message to reach its destination. I am going to set it up to where the computer calls one of the PC Pursuit citys where there is a FoReM board, and then they will forward it, etc., etc., etc...until it gets to its destination. Much cheaper than me paying the long distance each morning when the messages are sent who knows where.

Elections Coming Up Soon!

Well, it's that time of year again, when we have to pull teeth to get volunteers to run for office. Just kidding, right? As far as I know, all offices are open for volunteers. President, Vice President, Treasurer, Secretary, Librarian, and Newsletter Editor. If you are interested in any of these, or just want more information, please give me call at 388-6159. The elections will be held during the November 13th meeting at the Biloxi Public Library. PLEASE try to be there so we can get this election over with.

Midi SIG Formed

Tom Reese has formed a Midi SIG that is meeting at Mississippi Music. The first meeting was October 15th, and was an organizational meeting. This SIG is not just for you ST owners, but 8-biters as well. There is a Midi capability for both machines with the proper equipment. Next meeting will be the 9th of November, 7:00 p.m. If you have any questions, give Tom a call at 435-2066.

New Meeting Location, Again?

Well, the Mississippi Power meeting location at 333 Washington Loop was impressive to say the least. Great facilities, with only one problem. We can only rent the place one month in advance, and guess what. Somebody beat us to the punch for November 13th. So, we are going to use the Biloxi Public Library facility for the November meeting. Hopefully, we will be back to Mississippi Power for the December meeting. Even though we didn't use it, the projection screen size tv was in place and ready for use. Would be great for all those 8-bit demos that you can never see from the back of the room. The library is on Lamuse street, across from the Biloxi City Hall.

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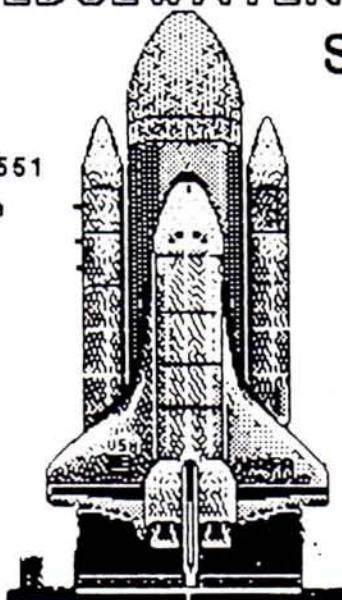
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AUTHORIZED ATARI 520/1040 ST DEALER!

Speaking of the last meeting, if you weren't there you missed a good one. Four ST computers hooked together playing Midi-Maze. Once again, grown men turned into children...chasing each other through mazes...didn't see me doing that now, did you? Well not for long anyway. It would have been great if we could have convinced 16 ST owners to bring their machines, one of them with the RF output, and we could have had a real good time with the game being displayed on that nice big monitor. Maybe in the dead of winter we can try it again!

Well, that's all for now. Remember the meeting dates of November 13th, 7:30 p.m. at the public library (always check the cover of your newsletter for the address), ST SIG at Coast Computers the following Monday at 7:30 p.m., and then of course the Midi SIG on the 9th of November, and the December general membership meeting on the 11th.

Atari Buys Federated Electronics

by Danl Blackwood
WACE

Well, if you haven't heard by now, Atari, as of August 24, 1987, is the proud owners of their own retail chain. The chain is The Federated Group, a fairly large string of superstores from California to Kansas and points between. They specialize in consumer electronics, particularly audio/video electronics, but also computers. I happen to be the assistant manager of store #90 in Wichita, and I just recently returned from a miniature Consumer Electronics show put on every year by Federated called Product Expo. Aside from seeing a lot of the new stuff coming out (again mostly audio/video), we were

informed by our 'Big Chesse', Wilfred Schwartz, that the move by Atari is definitely looked on with great anticipation by both sides.

Federated is looking at this 'merger' as an opportunity to keep in step with the "rapid consolidation of our industry, as witnessed by the growth and acquisitions involving such billion-dollar enterprises as Tandy Corporation, the Dixon's group, and Circuit City. We are also witnessing the difficulties faced by companies unprepared to do battle with such giants." (from a letter by Keith Powell, President of Federated, to employees)

Jack Tramiel sees it as an opportunity to add another "piece of the puzzle to penetrate the U.S. market." In an article in INVESTOR'S DAILY, he said that moves in the near future include taking the advertising budget from virtually zero to \$20 million this fall, adding new electronic products under the Atari name in time for Christmas, and changing some marketing strategies for Federated. These marketing strategies will zero in on the fact that there are some products that Federated cannot get in the Silicon Valley right now. The overall Federated plan and philosophy (and upper level management team) will remain intact.

Now, being an active Atari enthusiast for about 5 years now, I can relate with the rest of you out there, particularly 8-bit users, whey you say, "So if he's trying so hard to get the 'stuff' to us, why haven't we seen it?" At this Expo I attended, I pretty much got the same story we've been hearing. Most of the effort is going to the Europeans because Atari is in first place there. Here in America, (lets blame it on advertising) Atari is getting beat at present by 'Brand X',

so distribution is not as big a priority. However, with this move to acquire Federated, I see 'great things on the horizon', not only for me as an Atari enthusiast, but as a Federated employee. At least now we are seeing some concrete moves in the direction of American distribution.

So -- well you ask, "WHEN???" I don't have any details right now on when or what we will be receiving, but rest assured. A man doesn't take a company from losing a million dollars a day to one which earns over \$50 million a year, purchase a retail chain, and then not stock it with his 'stuff'.

Let me take a few words to plug Federated, if I may be so bold. (Wilfred Schwartz ain't no slouch either.) Here's a man that started with one store in 1970 selling blank audio tape, and turned it into one of the electronics industry leaders today. In Consumer Electronics, Aug '87, Federated was ranked 13th out of 300 retailers (including the heavy-weights like Sears, Wal-Mart, Radio Shack). We generated \$430 million dollars and added three more states to our map last year. Now with Jack Tramiel on his team, Wilfred should have no problem with reaching his goal of having a billion dollar company by 1990.

One of the things I found interesting was that both men said of each other, "I respect him, his philosophies are just like mine", and "I'm proud to be on his team." We as Atari Enthusiasts can now say with confidence, "We're proud to be on their team."

New Atari Computer to be Shown at Comdex

According to an article in the October 12, 1987 issue of

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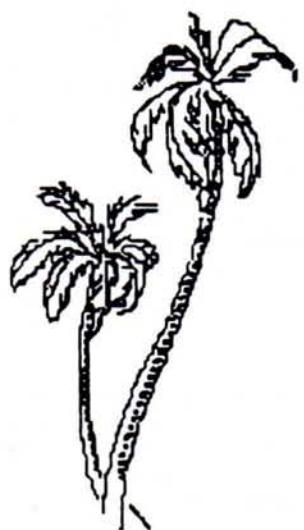
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InfoWorld, Atari is going to display a Transputer-Based Workstation at the upcoming Comdex. What the heck is that, right? Well it is a workstation that will operate at 10 MIPS (million instructions per second) in its most basic configuration. It will sport the Inmos T-800 Transputer CPU, which is designed for parallel processor chips. Users will be able to add additional transputers, perhaps as many as several hundred, working on one application at the same time. According to Shiraz Shivji, vice president of research and development, "it's actually easy to have 100 MIPS for a very small amount of money."

"We're aiming at a price point under \$5,000 [for the basic system], but that doesn't mean we'll hit it," said Bob Gleadow, general manager of Atari's U.K. operation.

The Unixlike operating system Helios, is under development by Perihelion Software of the United Kingdom. "Unix doesn't support great graphics, so this is like a cross," said Gleadow. Work is under way on coprocessor chips for music and graphics functions. Atari is also working on a chip that will add virtual memory to the Inmos Transputer.

Production is to begin in March or May, but may be later because of the potential for slippage in the operating system software. First units will go to the United Kingdom and Europe, before introduction in the United States. "We would like to see it there in late 1988," said Gleadow. One of the applications being developed by a third party is a DOS emulation program, he noted.

The workstation will include a very high-resolution color monitor. Atari has said it will provide for compatibility with the Mega

and ST line of computers.

New Atari Modem

Great for \$99.00

For those of you with no modem, or a SIO connect 8-bit modem, or a 300 baud modem (leave anybody out?), Atari has got a great new product for you - the SC212 1200 baud modem. It has a standard RS-232 interface for those users with an 850, or an ST, or a P:R Connection and an SIO connector for those 8-biters who lack an RS-232 box. It is Hayes compatible and even has a nice row of LEDs across the front of the unit to keep you informed of its status (High Speed, Auto Answer, Carrier Detect, Off Hook, Receive Data, Send Data, Terminal Ready, and Modem Ready). The best thing about this guy is that it only costs \$99.95 - List Price. A product of increasing integration, it is another level up on the path to single chip, 1200 baud, modems - much like the 300 baud XM301 that preceded it.

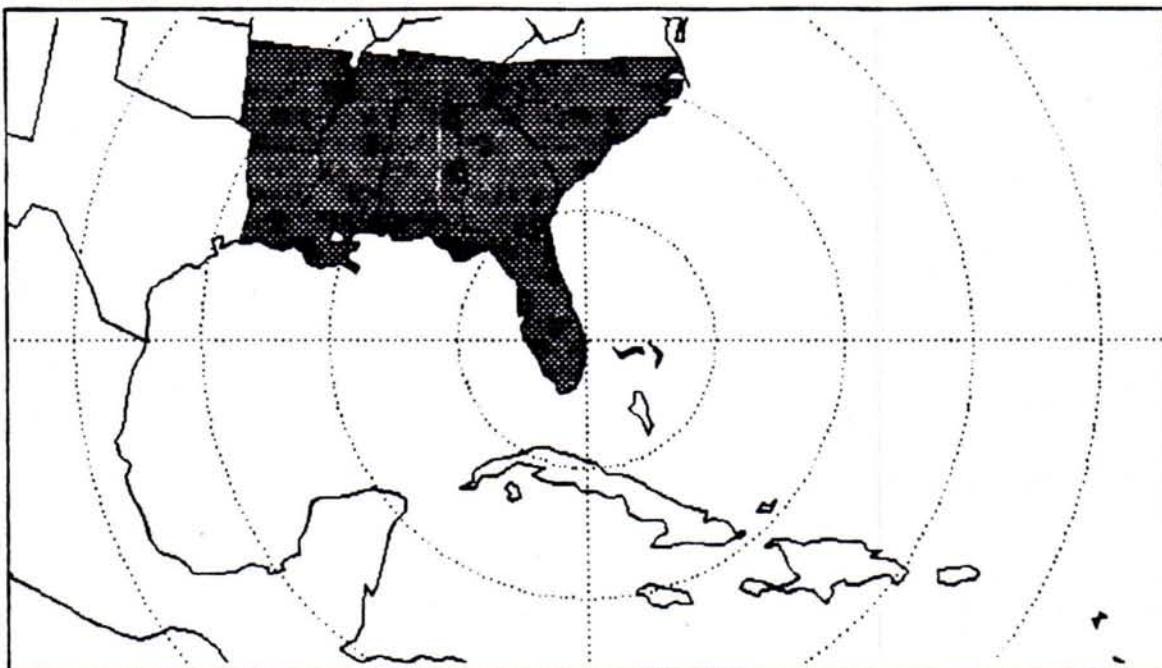
I can remember my first RS-232 modem. It was also Hayes compatible, which seems to mean that it has to have 6 million switches set before your computer will talk to it. Not the SX212. Absolutely nothing to set on this guy. Move it from your 8-bit to your 16 bit system ... works just fine with no switch juggling. Aren't any to mess with, anyway. My X-Ray Vision tells me that there are jumpers inside, but it isn't something the average guy is going to fool with. I tried the 212 on my ST with FLASH. Although I am not any kind of TP expert, the modem worked just fine. It seemed to be perfectly happy with XModem downloads and such. Even the operator trying to interrupt my call didn't bring down the modem. Lots of garbage, but carrier stayed up. This is exactly what the computer industry needs - an

affordable product that you just pull from the box and run!

When it came to my 8-bit system, I hit a little snag. Since the modem would connect to the SIO port, it has to either emulate an 850 and the Hayes modem, or not emulate the 850 and not work on my 8-bit. Guess which one I got?? Works just fine on the P:R Connection as a Hayes (knew that since it worked on the ST). Didn't work at all as an 850. I tried a Status command to every address on the SIO buss and got no response from the SX. One thing for sure, no matter how it works, the modem requires a handler. Some devices load their own handler and some programs replace them with the handler that the program wants. So, without a handler, I had no chance to make the thing work. If the device didn't even talk to the CPU on the SIO buss, how could the handler talk to the modem? The XM301 modem came with an excellent communications program and plenty of documentation on disk to fully describe the handler necessary for that device. I quickly learned that an SIO cable (which is not included in the box - for obvious reasons. You can't use the SIO feature without the handler) and a version of EXPRESS will become available from Atari at some future date. I should hope so. Not requiring a P:R Connection or an 850 can save an 8-bit user as much as the cost of the modem itself. This is one of the greatest assets of this device, the ability to run without additional interfaces. Needless to say this was most discouraging. Maybe a little hacking could help?

There was (is?) a company called Advanced Interface Devices that made a simple RS-232 adapter for the Atari SIO buss. Since the SIO is already a serial buss that can be programmed to operate in almost any mode, they

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thought they could just write a handler and wire up a cable that would suffice for RS-232 operation. They produced the R-Verter and managed to do exactly what I described - run the SIO as an RS-232 serial interface. With this in mind, and a little more X-Ray vision, it appeared that Atari was using the same method on the SX212. There is a two chip modem set, a couple of RS-232 receiver/driver chips, an audio amp, an LS logic chip, and some sort of clock generator inside this modem. It would be very unusual for a modem chip set to be able to talk to an Atari SIO buss directly (the XM301 uses a microprocessor to operate as a modem and to talk to the buss). So, I had to conclude that Atari used the R-Verter approach. Close inspection of the SIO pins indicate that the - Command line (pin 7) is not even connected in the SX212. No way to do SIO without that pin. No SIO means an RS-232 emulator. The only one that I am aware of is the AID R-Verter.

So, I logged on to CompuServe and looked for an R-Verter handler in DL2. Luckily, I found exactly what I needed in a file called RVHAND.XMO. It is an R-Verter handler that has been re-compiled for use with HOMETERM. Following the RVHAND.DOC file, I created a copy of HOMETERM that would run on the R-Verter. Booted up on my SX212 and got the 850 status screen. Even though the modem is directly connected, the program thinks it is talking thru an 850. All the commands that I needed worked just fine on HOMETERM - downloads, disk directories, pauses, everything! Tom Neitzel has passed on the word that the same handler will allow the SX212 to run Amodem 7.4, a program that I am not familiar with, but is very popular. I have not tried to replace the handler in EXPRESS with the R-Verter code. I don't think that task will be as simple as

re-compiling the code, since EXPRESS seems to use all available memory. None the less, those 8-bit users who own SIO connect 300 baud modems can upgrade to the SX212 and start tele-computing immediately with Amodem or HOMETERM.

One or two more comments.

The manual states that the modem cannot be used on an 800XL with a cassette recorder. The Motor line is fed into the modem and is grounded thru a 680 ohm resistor. This appears to upset the 800XL or the recorder or somebody. I don't see any significant differences between the 800XL and the rest of the Atari line in this respect, so expect this restriction to apply to all 8-bit models.

A suggestion is made to place the modem on top of your disk drive and the phone on top of the modem. Some telephones have magnets in them - put it someplace else if you are not sure. Some disk drives generate considerable heat, while the SX212 seems very cool. I put my modem under my drive, leaving the vents on top of the drive clear for good cooling.

The bottom line on this modem is that it is a great value for the money, performs well and can be used on either 8 or 16 bit systems with a minimum of expertise. The 8-bit software is not yet available from Atari, but even that can be fixed for the time being. No modem offers you so much for so little. Don't overlook this bargain!

Atari ST Memory

Upgrades

ST REVIEW

Having a case of the 512K blues? Not sure? Well, have you noticed the hair on

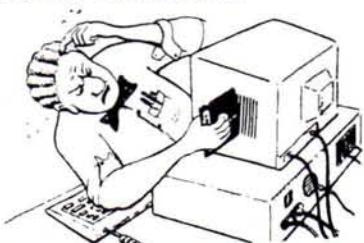
the back of your neck rising whenever a 1040ST owner tells you how much they like to use their LARGE ramdisk? Or how much faster programs run with a ramdisk? Does you hand tremble and uncontrollably reach for a 1040 user's neck when they talk about all those great desk accessories they like to keep in memory? Or are you one of those people who purchased a good program like Hippoword and after loading it found that just trying to open a new file causes an out of memory prompt? Kinda makes you want to scream, huh?

If any of that sounds familiar then I have good news. There is a cure! UPGRADE! But which one? The magazines abound with ads. Each one claiming a few more or less solder connections than his competitor. SOLDERING! The very thought of a fumbled fingered novice (myself) wielding an electrified instrument of destruction (soldering iron) aimed at my ST makes me break out in cold sweat.

But if not soldering, what then? Well, the electronic wizards at AERCO decided to create the easiest RAM upgrade for us real people who can tie our shoe laces but can't build our own computers. No soldering! That's not all. The board can be expanded in three stages. First, as you buy it, with an extra 512K for 1 MEG total. Second, by adding 16 more sockets (can be installed by the factory) and 16 1-MEG DRAM chips. Total memory will increase to 2.5 MEG. Third, replacing the 256K chips for a total of 4 MEG.

I decided to buy one. But after some phone calling, it seems that local and mail-order dealers alike had not yet heard of this modern miracle of the microchip. (Editors note: I had one installed in my 520ST by Coast Computers at

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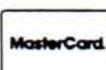
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less than factory cost! Works great!) So I called the factory. Their courteous staff answered my questions and explained the boards operation. I then placed my order for the upgrade with the 16 extra sockets already installed for later expansion.

This brings us to the actual installation. The upgrade is a small rectangular circuit board. It has two ribbon cables attached. Cable B which has an adapter for the MMU chip. This requires removing the MMU chip, pressing the adapter in the socket, and then replacing the MMU chip into the adapter. Cable A has two gold contact clip connectors. These are placed over two data buffer chips.

Except for opening and closing the computer case, that's all there is to it! I found the directions clear and understandable. Installation went smoothly and took an hour. It seems to be working very well.

NOTE: The only glitch I found was in the documentation. The diagram they use to show the placement of the board shows it located against the back of the case. I found it actually has to be moved about two inches forward.

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Ralph Fenner, ABES ACES
(2/87)

Another General George Patton?

ZMAG NEWSWIRE

ATARI'S TRAMIEL READY FOR BATTLE

Quoting General George Patton and sounding a lot like a coach psyching up for the big

game, Jack Tramiel says his Atari Corp. is ready to become America's consumer electronics supplier.

Speaking with business writer Bob Webster of United Press International, the 59-year-old Tramiel says, "One of the people I admire is Gen. George Patton. In business, whatever we do we go out there to win, not to play the sport. We have the best product, the best personnel and the best locations to make sure we win."

Atari has made headlines by buying out the 67-store Federated Group retail electronics store.

Tramiel tells Webster that the chain will be a key to his dream of turning Atari into a "vertically integrated" consumer electronics company.

"There are no companies of that nature left in the United States," Tramiel said. "General Electric was the last one. We are going to be an international consumer electronics company...Computers are one of the products. Hitachi and Panasonic do not only make computers. I want to share my (research and development) costs, from designing and planning a product from the component to the shelf. This is the way my competitors in Japan have done it for a number of years."

Of course, Tramiel is not talking a great deal about future products, but he did tell UPI he now plans to oversee Atari's development of a CD-ROM product to be introduced this fall. He also said Atari is negotiating with several semiconductor companies for a possible acquisition.

Of the Federated acquisition, Tramiel says the company hopes the chain will strengthen its sagging distribution. "Instead of

waiting for three or four months to get a reaction from retailers, by having an outlet I can tell in six days," Tramiel said.

Webster comments that "most previous ventures by computer companies into distribution have failed, except for Tandy Corp.'s efforts through its Radio Shack outlets. But distribution alone does not appear to underscore Tramiel's pursuit of Federated."

That's the view of Jan Lewis, president of Lewis Research Group of Sunnyvale, Calif., who told the wire service, "On the most simplistic level, (Tramiel) wants to buy distribution. But I think his plans may be broader than that. Tramiel comes from retailing and I think he may see farther than others in the marriage of computers and consumer electronic products." --Charles Bowen.



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